

ABSTRACT

--The invention relates to an oil scraper ring groove ring arrangement for pistons of internal combustion engines. The inventive arrangement comprises a disk that is provided with parallel flanks and a bearing surface having an asymmetrical crowned form with a vertex line extended over the periphery of the disc, with the disk being arranged in a ring groove of the piston with a ring groove side opposing the piston head and a ring groove side facing the piston head. The aim of the invention is to achieve an improved oil scraping action compared to that of prior art, while reducing the friction and the abrasion in such a way that it is radially outwardly inclined to the outer diameter of the piston, the bearing surface of the disk being embodied in such a way that it corresponds to an almost worn end contour in the started engine state, and, when the oil scraper ring is mounted in the piston, the vertex line of the bearing surface is oriented in the direction of the ring groove side opposing the piston head.--